

Learning to Fly: The Wright Brother's Adventure			
2005 Science			
Course of Study			
Alabama Science			
Grades K-12			
Activity/Lesson	State	Standards	
1901: The First Improvement	AL	SCI.K-12.2	Conveying oral or written information verbally as well as visually through models, tables, charts, and graphs
1901: The First Improvement	AL	SCI.K-12.1	Recognizing the many factors that affect the outcome of events and understanding their relationships to each other whereby one factor (variable) can be manipulated while others are controlled
1904: Improvement in Dayton	AL	SCI.K-12.2	Conveying oral or written information verbally as well as visually through models, tables, charts, and graphs
Learning to Fly: The Wright Brother's Adventure			
2005 Science			
Course of Study			
Alabama Science			
Grade 8			
Activity/Lesson	State	Standards	
1901: The First Improvement	AL	SCI.8.1.2	Identifying controls and variables in a scientific investigation
1901: The First Improvement	AL	SCI.8.8.1	Defining terminology such as action and reaction forces, inertia, acceleration, momentum, and friction
1901: The First Improvement	AL	SCI.8.9.1	Describing the effect of force on pressure in fluids
1904: Improvement in Dayton	AL	SCI.8.8.1	Defining terminology such as action and reaction forces, inertia, acceleration, momentum, and friction
1904: Improvement in Dayton	AL	SCI.8.9.1	Describing the effect of force on pressure in fluids
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Course of Study			
Alabama Science			
Grades 9-12 (Physical Science Core)			
Activity/Lesson	State	Standards	
Wright Brothers: 1900 Glider	AL	SCI.9-12.PS.12	Identify metric units for mass, distance, time, temperature, velocity, acceleration, density, force, energy, and power.
Wright Brothers: 1901 Glider	AL	SCI.9-12.PS.12	Identify metric units for mass, distance, time, temperature, velocity, acceleration, density, force, energy, and power.
Wright Brothers: 1902 Glider	AL	SCI.9-12.PS.12	Identify metric units for mass, distance, time, temperature, velocity, acceleration, density, force, energy, and power.

Wright Brothers: 1903 Flyer	AL	SCI.9-12.PS.12	Identify metric units for mass, distance, time, temperature, velocity, acceleration, density, force, energy, and power.
1901: The First Improvement	AL	SCI.9-12.PS.7.2	Solving problems for velocity, acceleration, force, work, and power
1901: The First Improvement	AL	SCI.9-12.PS.7.3	Describing action and reaction forces, inertia, acceleration, momentum, and friction in terms of Newton's three laws of motion
New Data	AL	SCI.9-12.PS.12	Identify metric units for mass, distance, time, temperature, velocity, acceleration, density, force, energy, and power.
1902: Success at Last	AL	SCI.9-12.PS.12	Identify metric units for mass, distance, time, temperature, velocity, acceleration, density, force, energy, and power.
1903: Powered Flight	AL	SCI.9-12.PS.12	Identify metric units for mass, distance, time, temperature, velocity, acceleration, density, force, energy, and power.
1904: Improvement in Dayton	AL	SCI.9-12.PS.7.2	Solving problems for velocity, acceleration, force, work, and power
1904: Improvement in Dayton	AL	SCI.9-12.PS.7.3	Describing action and reaction forces, inertia, acceleration, momentum, and friction in terms of Newton's three laws of motion
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Alabama Science			
Grades 9-12 (Physics Core)			
Activity/Lesson	State	Standards	
1901: The First Improvement	AL	SCI.9-12.PH.1.2	Describing forces that act on an object
1901: The First Improvement	AL	SCI.9-12.PH.4	Describe quantitative relationships for velocity, acceleration, force, work, power, potential energy, and kinetic energy.
1904: Improvement in Dayton	AL	SCI.9-12.PH.1.2	Describing forces that act on an object
1904: Improvement in Dayton	AL	SCI.9-12.PH.4	Describe quantitative relationships for velocity, acceleration, force, work, power, potential energy, and kinetic energy.